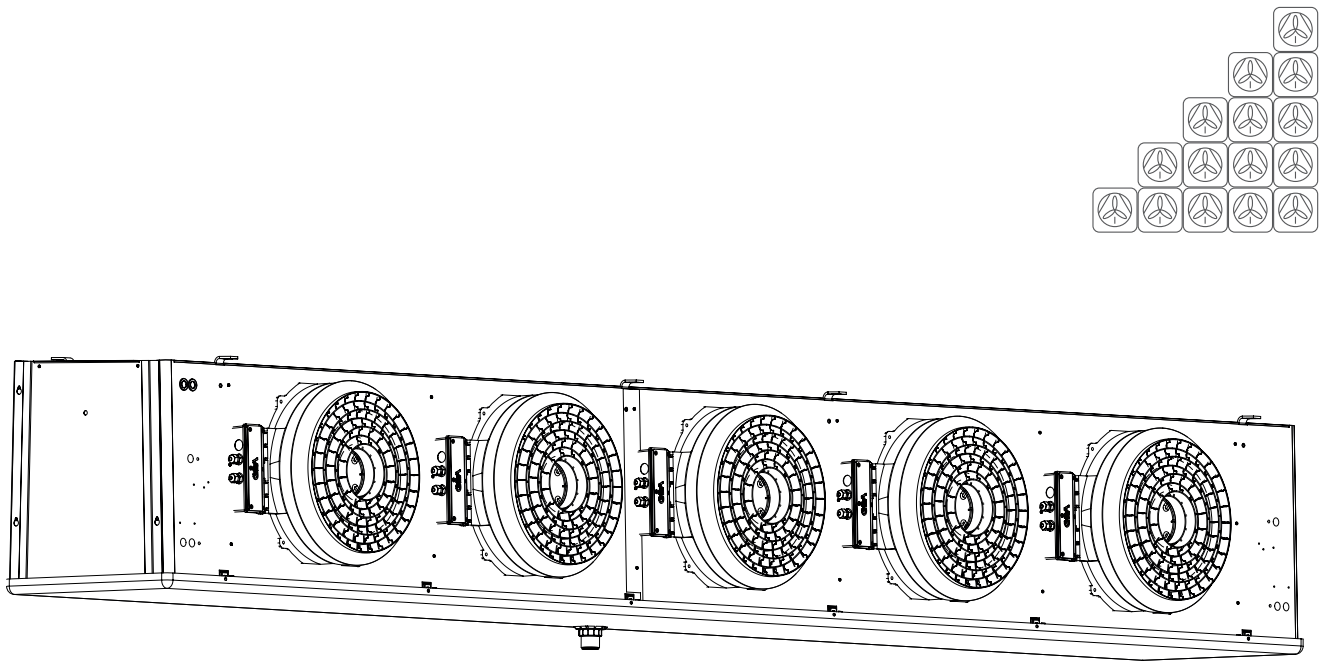
CHANGING
GEA HEAT EXCHANGERS

Mounting Guide



Küba SG *commercial*

Mounting Guide
Page 2-4

- Dimensions
- Weights
- Assembly

Electrical wiring
Page 5-23

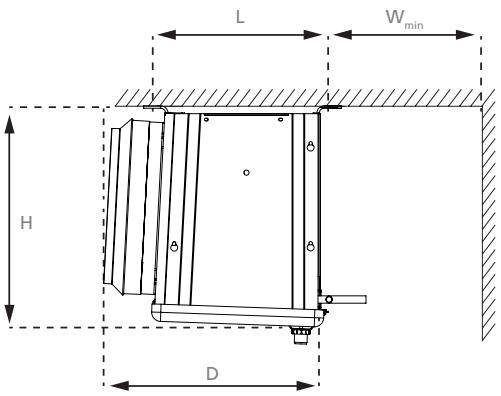
- Motor wiring diagram
- Electrical defrosting wiring diagram
- Cabling

SG commercial

Dimensions

Weights

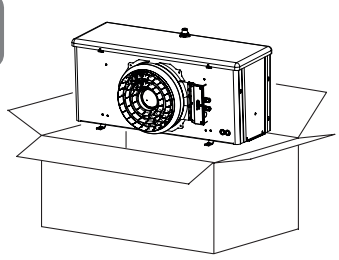
Type	H ±5	W ±5	D ±5	L ±5	F ±3
SG	mm	mm	mm	mm	mm
23-21/31	347	760	455	335	140
30-21/31	449	960	453	360	170
35-21/31/41/61	554	1.130	624	515	200
45-31/41/51/61	652	1.330	663	510	200
23-22/32	347	1,210	455	335	140
30-22/32	449	1,550	453	360	170
35-22/32/42	554	1,830	624	515	200
45-32/42/52/62	652	2.230	662	510	200
23-23/33	347	1.660	455	335	140
30-23/33	449	2.140	453	360	170
35-23/33/43/53	554	2.530	624	515	200
45-33/43/53/63	652	3,130	662	510	200
23-24/34	347	2.110	455	335	140
30-24/34	449	2.730	453	360	170
35-24/34/44/64	554	3.230	624	515	200
45-34/44/54/64	652	4.030	662	510	200
23-25/35	347	2.560	455	335	140
30-25/35	449	3.320	453	360	170
35-25/35/45/65	554	3.930	624	515	200
45-35/45	652	4,930	662	510	200



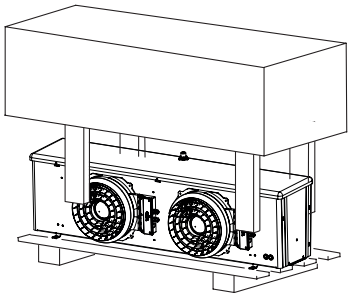
Type	E1 ±5	E2 ±5	E3 ±5	Weight	
SG	mm	mm	mm	kg	
				net	gross
23-21/31	480	-	-	13/15	18/19
30-21/31	620	-	-	25/28	30/33
35-21/31/41/61	730	-	-	37/42/48/58	44/49/55/65
45-31/41/51/61	930	-	-	54/61/69/79	90/97/105/115
23-22/32	930	-	-	21/25	26/30
30-22/32	1,210	-	-	39/45	66/72
35-22/32/42	1,430	-	-	59/69/79/98	96/105/116/135
45-32/42/52/62	1,830	-	-	95/109/124/146	170/184/199/221
23-23/33	1,380	450	-	28/33	62/67
30-23/33	1,800	590	-	55/64	90/100
35-23/33/43/53	2,130	700	-	84/98/112/141	182/195/209/238
45-33/43/53/63	2,730	900	-	139/159/180/210	267/286/307/337
23-24/34	1,830	900	-	35/43	110/118
30-24/34	2,390	1,180	-	71/84	161/174
35-24/34/44/64	2,830	1,400	-	109/128/148/185	222/240/261/297
45-34/44/54/64	3,630	1,800	-	180/209/238/280	37/404/433/475
23-25/35	2,280	900	1,350	45/54	127/136
30-25/35	2,980	1,180	1,770	88/104	193/209
35-25/35/45/65	3,530	1,440	2,100	136/160/182/230	271/295/317/365
45-35/45	4,530	1,800	2,700	224/258	501/535

Assembly

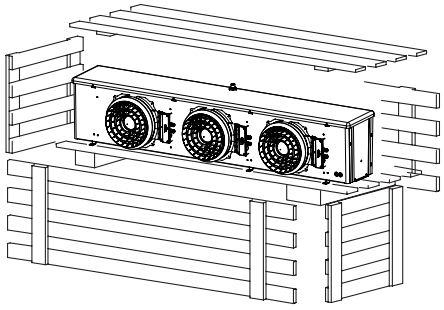
1



SG 23 - 21/31
SG 30 - 21/31
SG 35 - 21/31/41/61
SG 23 - 22/32



SG 45 - 31/41/51/61
SG 30 - 22/32
SG 35 - 22/32/42/62
SG 23 - 23/33
SG 30 - 23/33



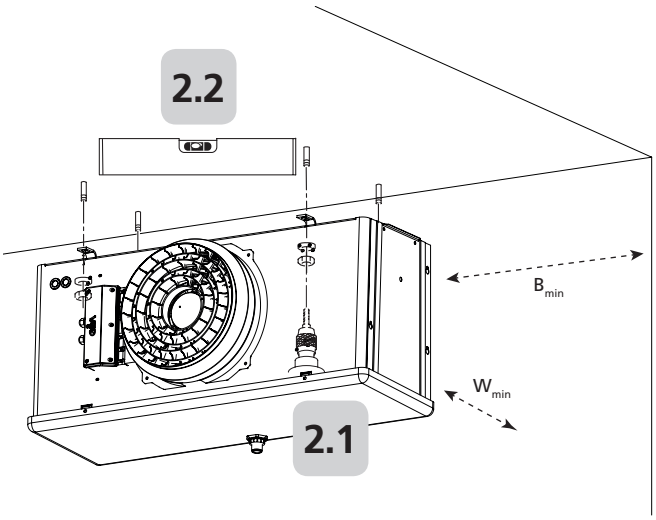
SG 45 - 32/42/52/62
SG 35 - 23/33/43/63
SG 45 - 33/43/53/63
SG 23 - 24/34
SG 30 - 24/34
SG 35 - 24/34/44/64
SG 45 - 34/44/54/64

SG 23 - 25/35
SG 30 - 25/35
SG 35 - 25/35/45/55
SG 45 - 35/45

2

2.1

2.2



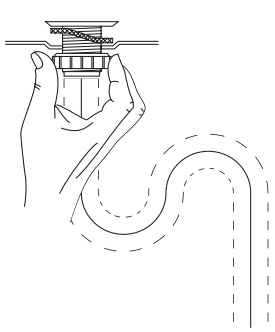
B_{min}= distance revision heater

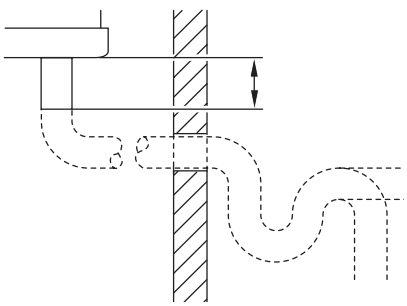
SG	[mm]	
	B_{min}	W_{min}
SG 23-21	635	200
SG 23-31	635	200
SG 30-21	785	200
SG 30-31	785	200
SG 35-21	860	300
SG 35-31	885	300
SG 35-41	910	300
SG 35-61	885	300
SG 45-31	1085	400
SG 45-41	1085	400
SG 45-51	1085	400
SG 45-61	1085	400
SG 23-22	1085	200
SG 23-32	1085	200
SG 30-22	1335	200
SG 30-32	1335	200
SG 35-22	1660	300
SG 35-32	1660	300
SG 35-42	1585	300
SG 35-62	1560	300

SG	[mm]	
	B_{min}	W_{min}
SG 45-32	1960	400
SG 45-42	1960	400
SG 45-52	1960	400
SG 45-62	1960	400
SG 23-23	1510	200
SG 23-33	1510	200
SG 30-23	1935	200
SG 30-33	1935	200
SG 35-23	2310	300
SG 35-33	2310	300
SG 35-43	2260	300
SG 35-63	2335	300
SG 45-33	2935	400
SG 45-43	2870	400
SG 45-53	2870	400
SG 45-63	2870	400
SG 23-24	1960	200
SG 23-34	1960	200
SG 30-24	2535	200

SG	[mm]	
	B_{min}	W_{min}
SG 30-34	2535	200
SG 35-24	3010	300
SG 35-34	3010	300
SG 35-44	2960	300
SG 35-64	3035	300
SG 45-34	3750	400
SG 45-44	3750	400
SG 45-54	3750	400
SG 45-64	3750	400
SG 23-25	2460	200
SG 23-35	2460	200
SG 30-25	3135	200
SG 30-35	3135	200
SG 35-25	3750	300
SG 35-35	3750	300
SG 35-45	3750	300
SG 35-65	3750	300
SG 45-35	4700	400
SG 45-45	4700	400

3



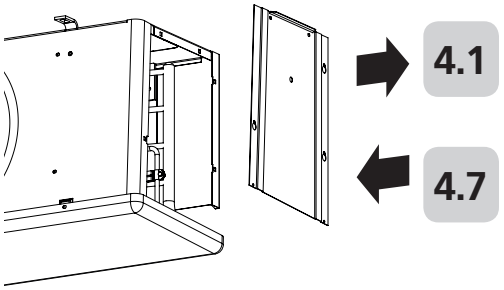


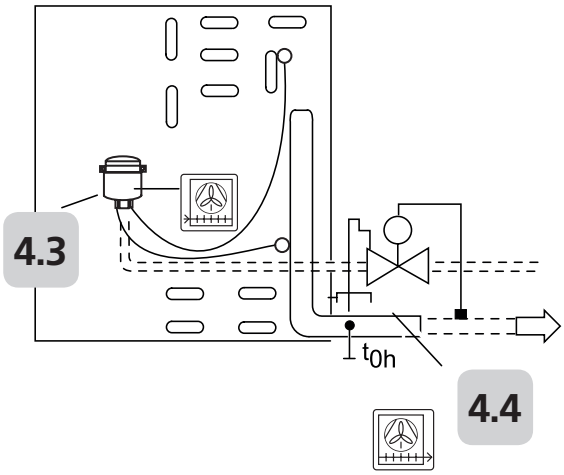
SG	
SG23 - 21/31	G ¾
SG30 - 21/31	G ¾
SG35 - 21/31/41/61	G ¾
SG45 - 31/41/51/61	G ¾
SG23 - 22/32	G ¾
SG30 - 22/32	G ¾
SG35 - 22/32/42/62	G 1¼
SG45 - 32/42/52/62	G 1¼
SG23 - 23/33	G ¾
SG30 - 23/33	G ¾
SG35 - 23/33/43/63	G 1¼
SG45 - 33/43/53/63	G 1¼

SG	
SG23 - 24/34	G ¾
SG30 - 24/34	G 1¼
SG35 - 24/34/44/64	G 1¼
SG45 - 34/44/54/64	G 1¼
SG23 - 25/35	G 1¼
SG30 - 25/35	G 1¼
SG35 - 25/35/45/65	G 1¼
SG45 - 35/45	G 1¼

Assembly

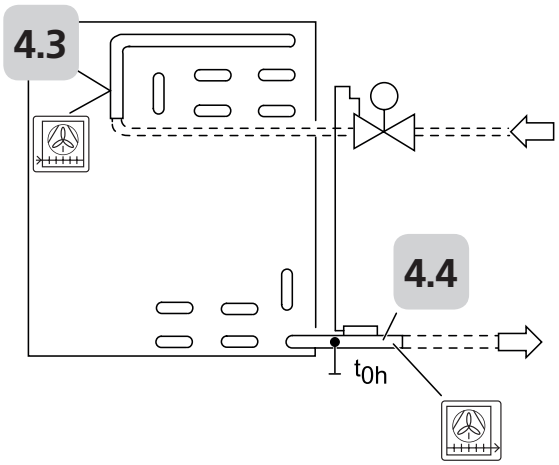
4
4.1
4.2
4.3
4.4
4.5
4.6
4.7



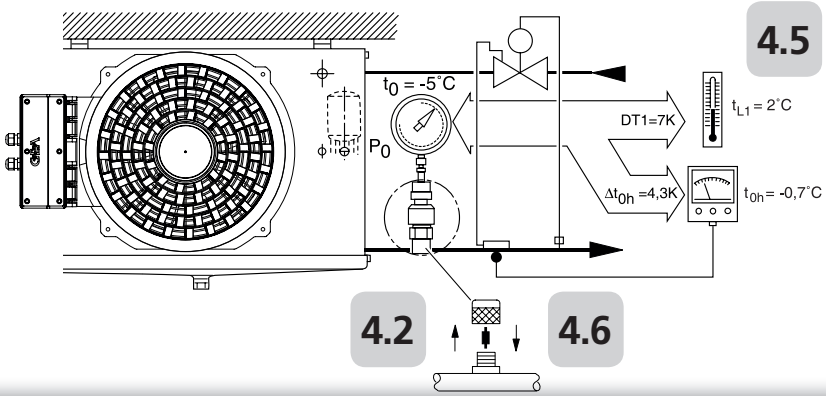


SG	ø mm	ø mm
SG 35-31	12	22
SG 35-41	12	28
SG 35-61	12	28
SG 45-31	12	28
SG 45-41	12	28
SG 45-51	15	35
SG 45-61	12	35
SG 30-22	12	22
SG 30-32	12	28
SG 35-22	12	28
SG 35-32	12	28
SG 35-42	12	35
SG 35-62	15	35
SG 45-32	15	35
SG 45-42	15	35
SG 45-52	22	42
SG 45-62	22	42
SG 23-23	12	22
SG 23-33	12	22
SG 30-23	12	28
SG 30-33	12	28
SG 35-23	15	35
SG 35-33	15	35
SG 35-43	15	35
SG 35-63	15	42
SG 45-33	22	42

SG	ø mm	ø mm
SG 45-43	22	42
SG 45-53	22	42
SG 45-63	22	54
SG 23-24	12	22
SG 23-34	12	28
SG 30-24	12	28
SG 30-34	15	35
SG 35-24	15	35
SG 35-34	15	35
SG 35-44	22	42
SG 35-64	22	42
SG 45-34	22	42
SG 45-44	22	54
SG 45-54	22	54
SG 45-64	22	54
SG 35-45	12	28
SG 23-35	12	28
SG 30-25	12	35
SG 30-35	15	35
SG 35-25	22	35
SG 35-35	22	42
SG 35-45	22	42
SG 35-65	22	54
SG 45-35	22	54
SG 45-45	28	54



SG	ø mm	ø mm
SG 23-21	10	15
SG 23-31	10	15
SG 30-21	10	15
SG 30-31	10	15
SG 35-21	10	22
SG 23-22	10	15
SG 23-32	10	15



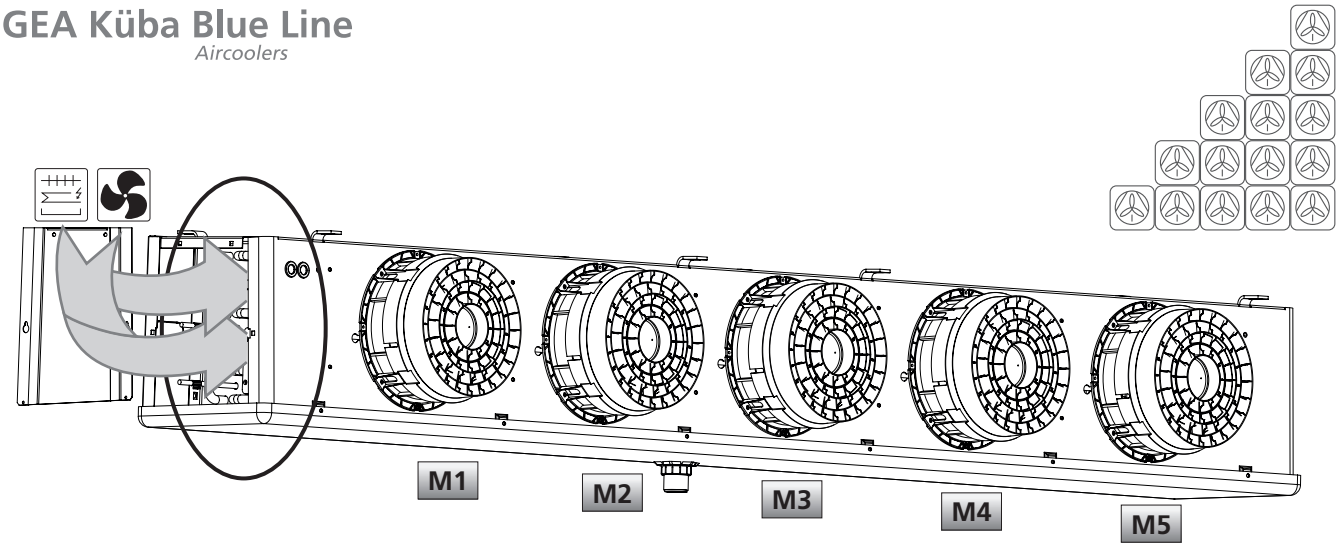
$\Delta t_{0h} \cong 0.5 \ldots 0.7 \times DT1$

DT1 10K ≅ Δt_{0h} 6.1 K
DT1 9K ≅ Δt_{0h} 5.5 K
DT1 8K ≅ Δt_{0h} 4.9 K
DT1 7K ≅ Δt_{0h} 4.3 K
DT1 6K ≅ Δt_{0h} 3.7 K
DT1 5K ≅ Δt_{0h} 3.1 K
DT1 4K ≅ Δt_{0h} 2.5 K

Electrical wiring

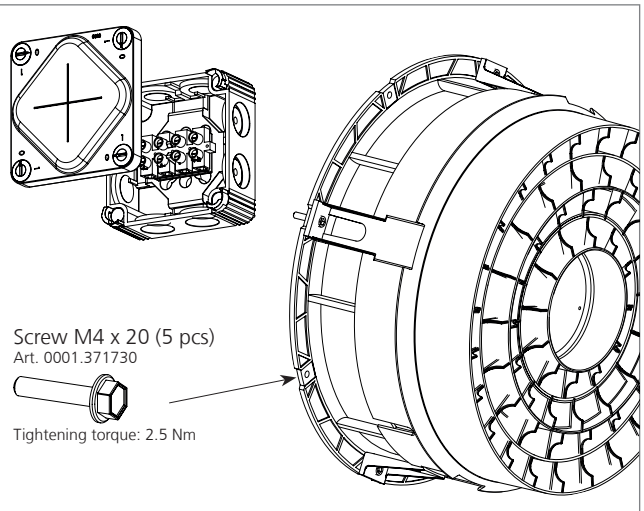
GEA Küba Blue Line

Aircoolers

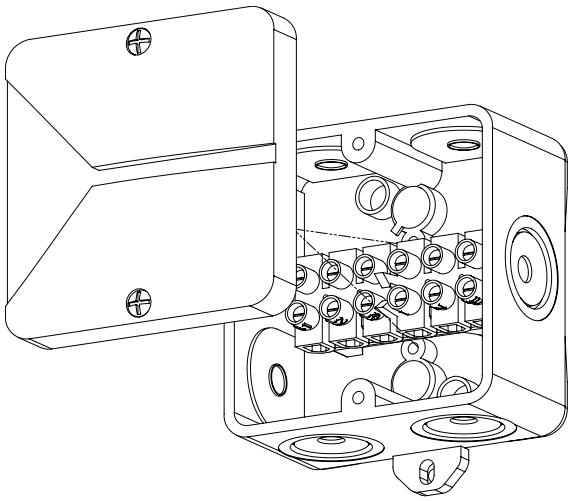


Küba SG *commercial* **SG 23**

Motor



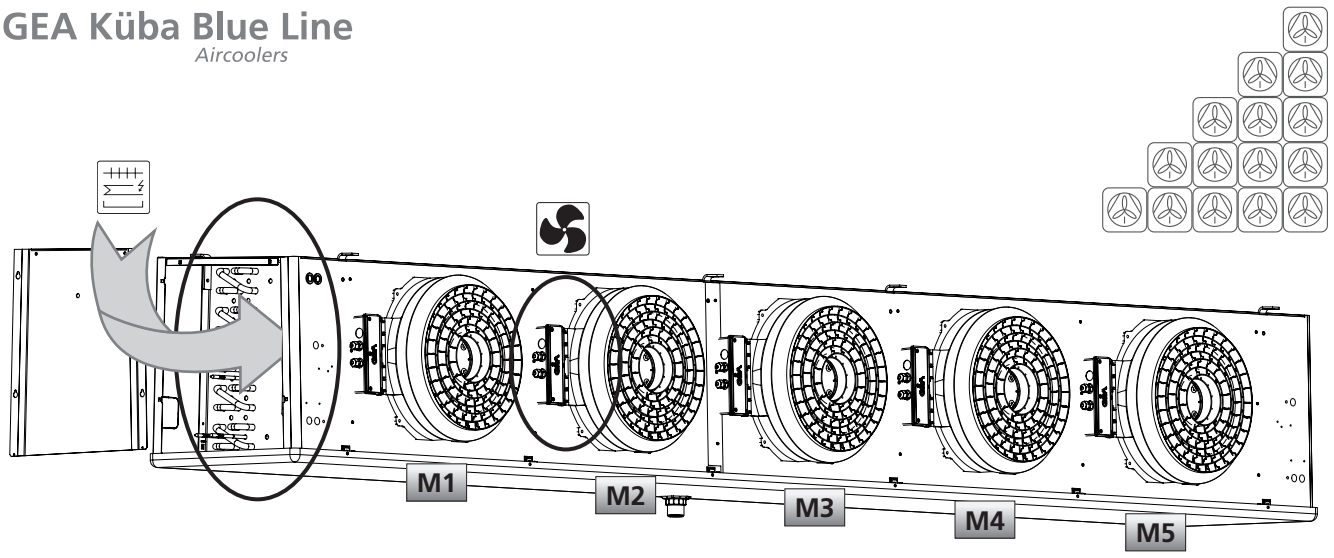
Electrical defrost



SG commercial

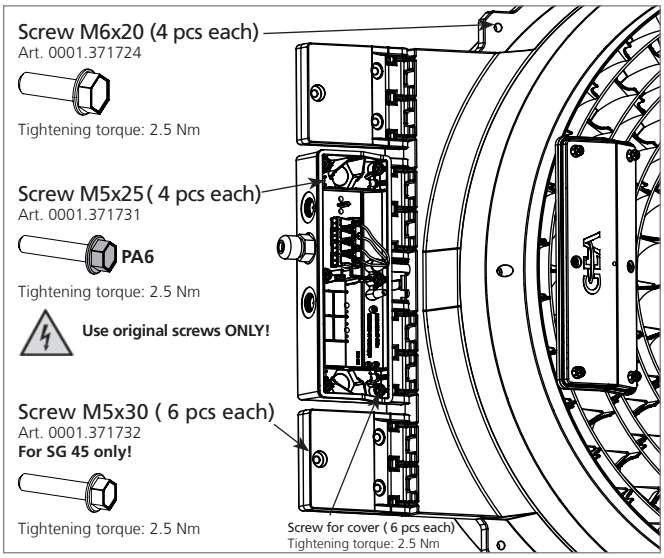
Electrical wiring

GEA Küba Blue Line
Aircoolers

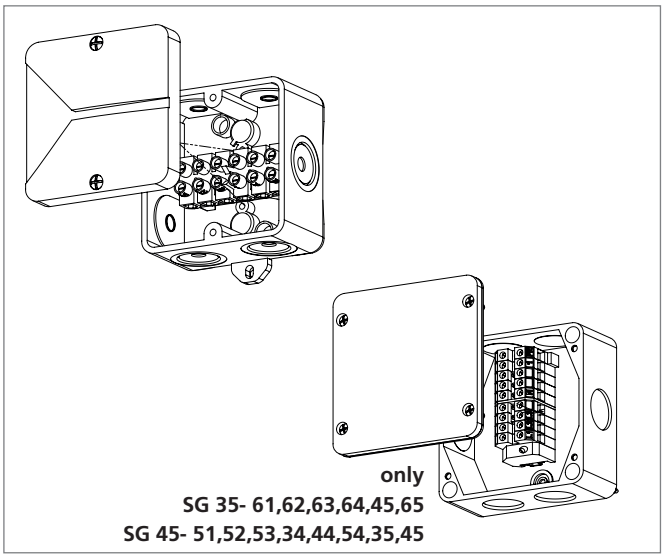


Küba SG *commercial* **SG 30, 35, 45**

Motor

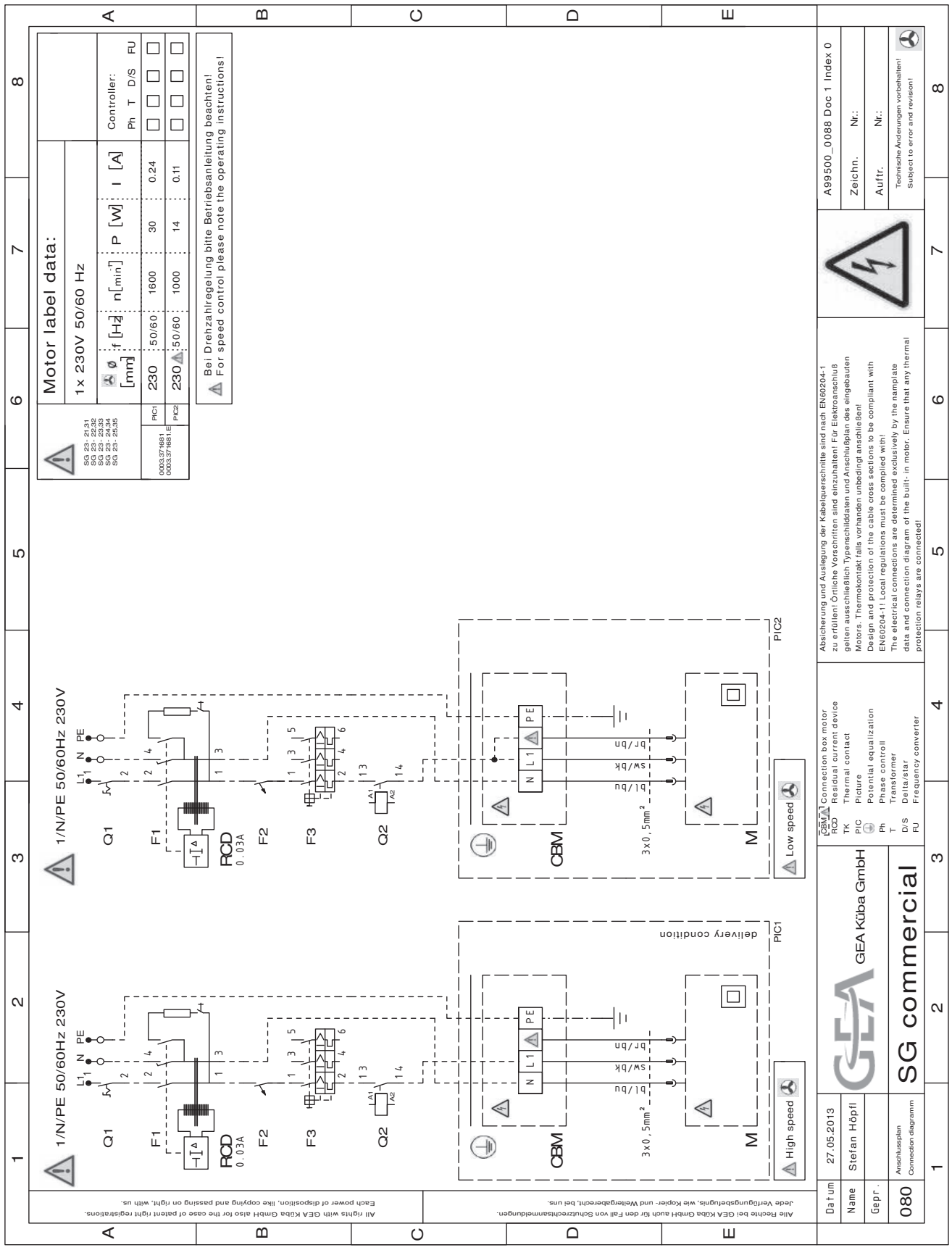


Electrical defrost

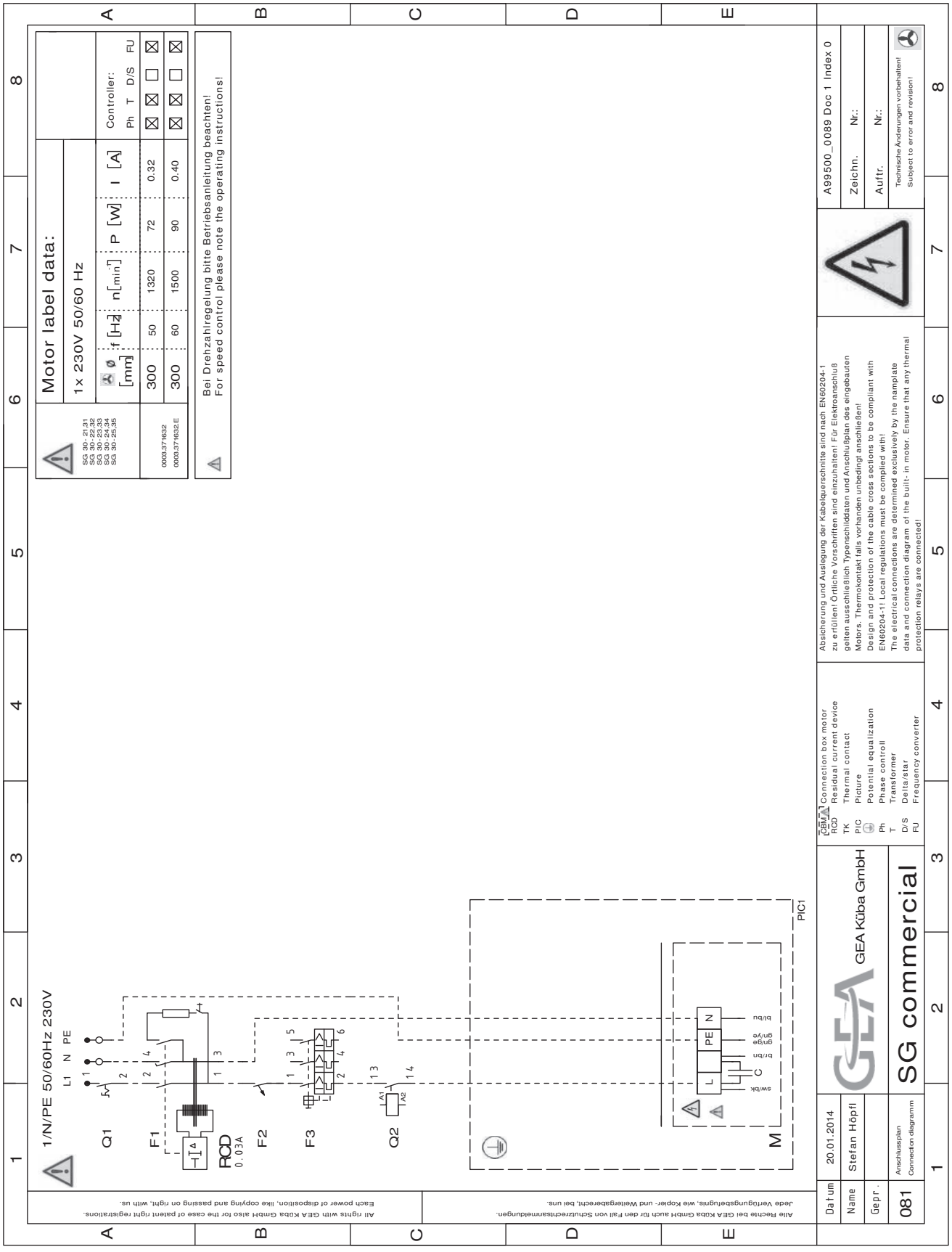


SG commercial

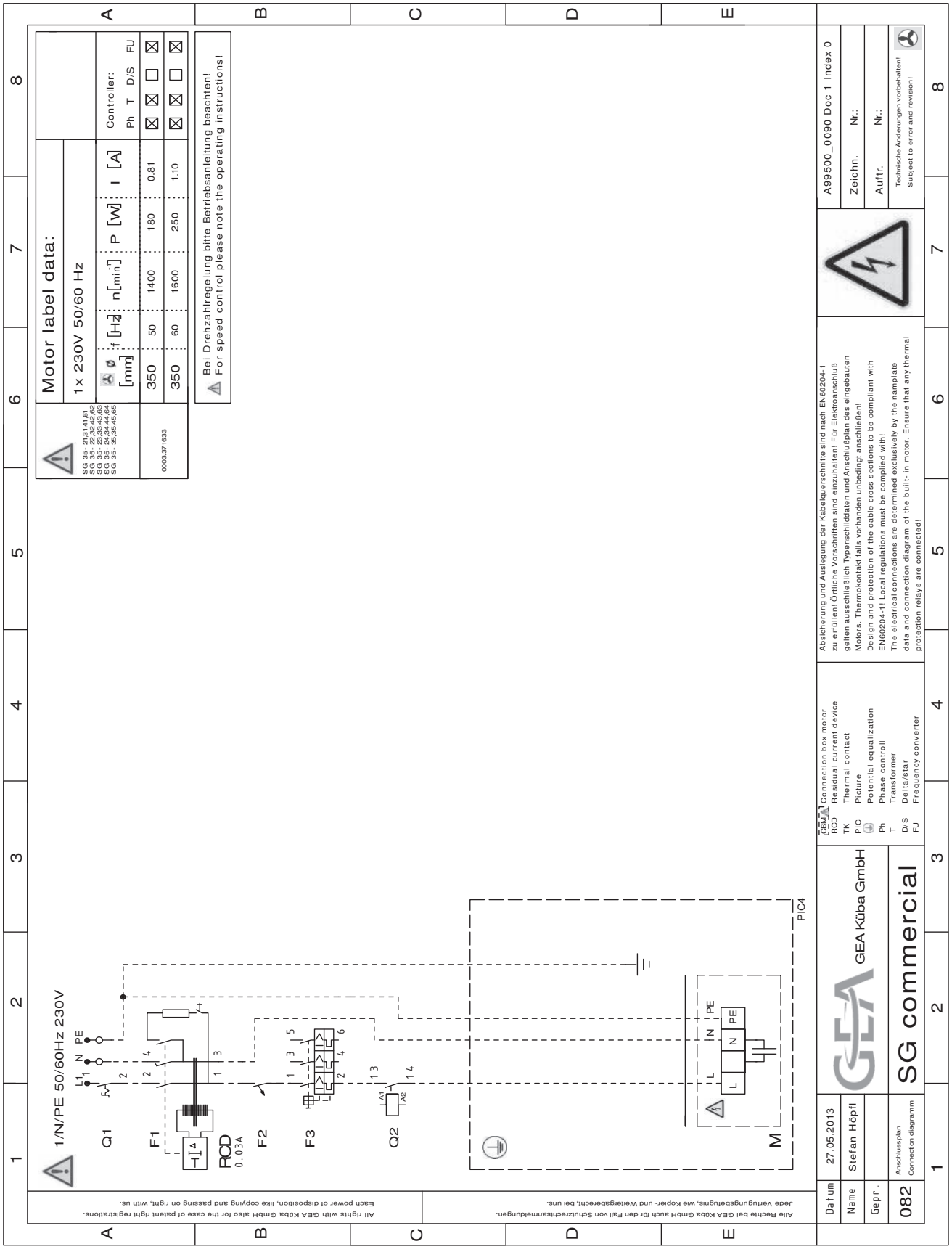
Motor wiring diagram



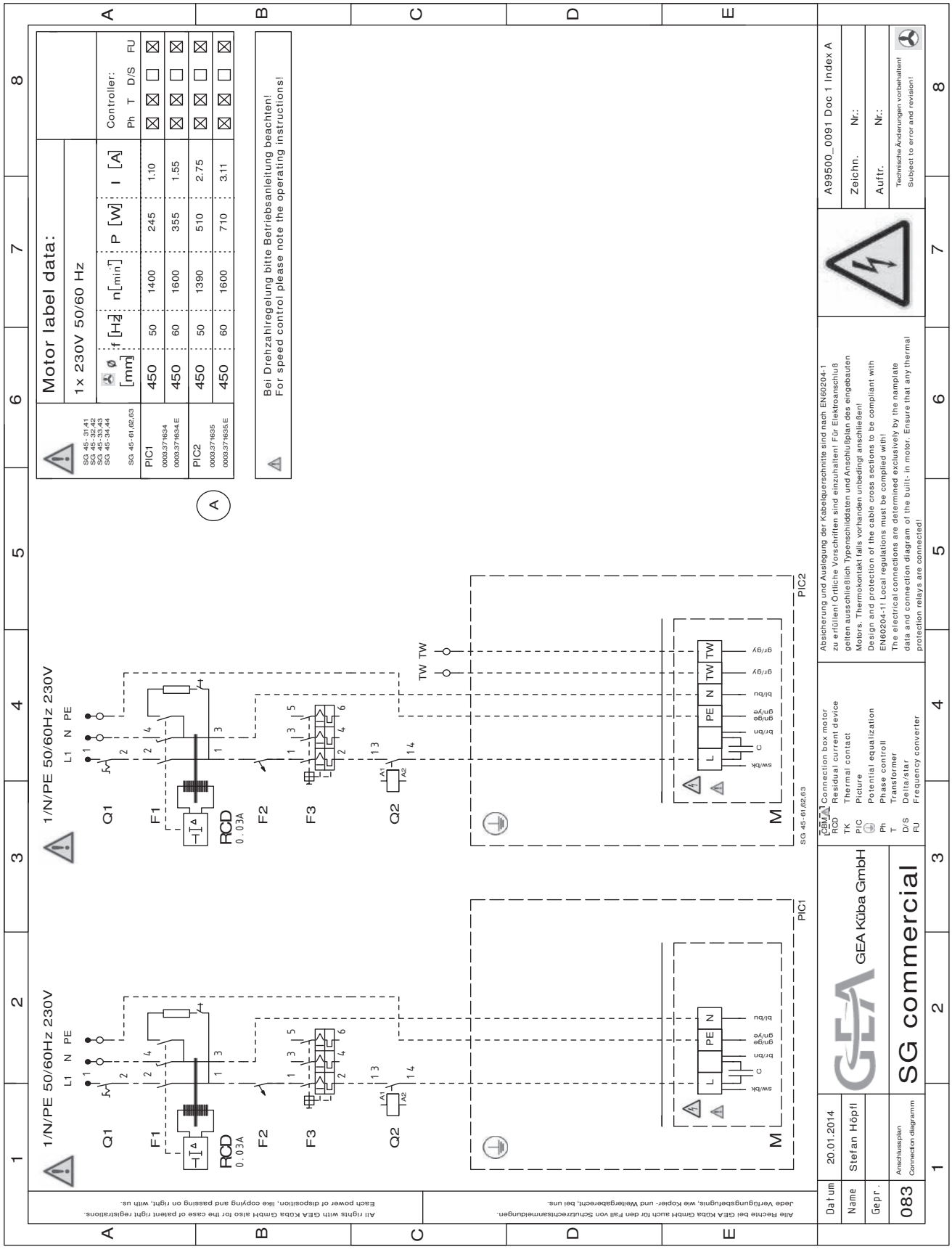
Motor wiring diagram



Motor wiring diagram

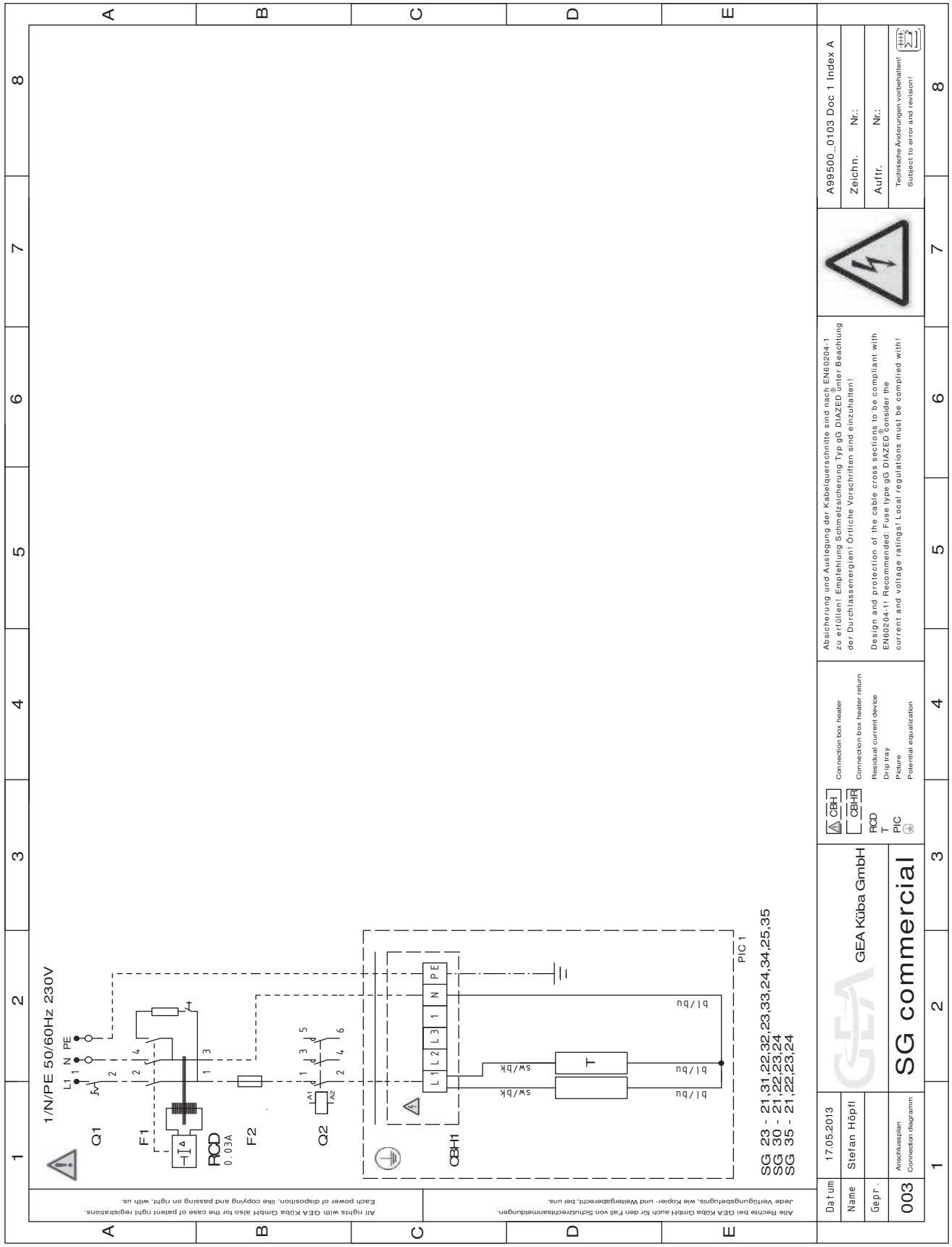


Motor wiring diagram



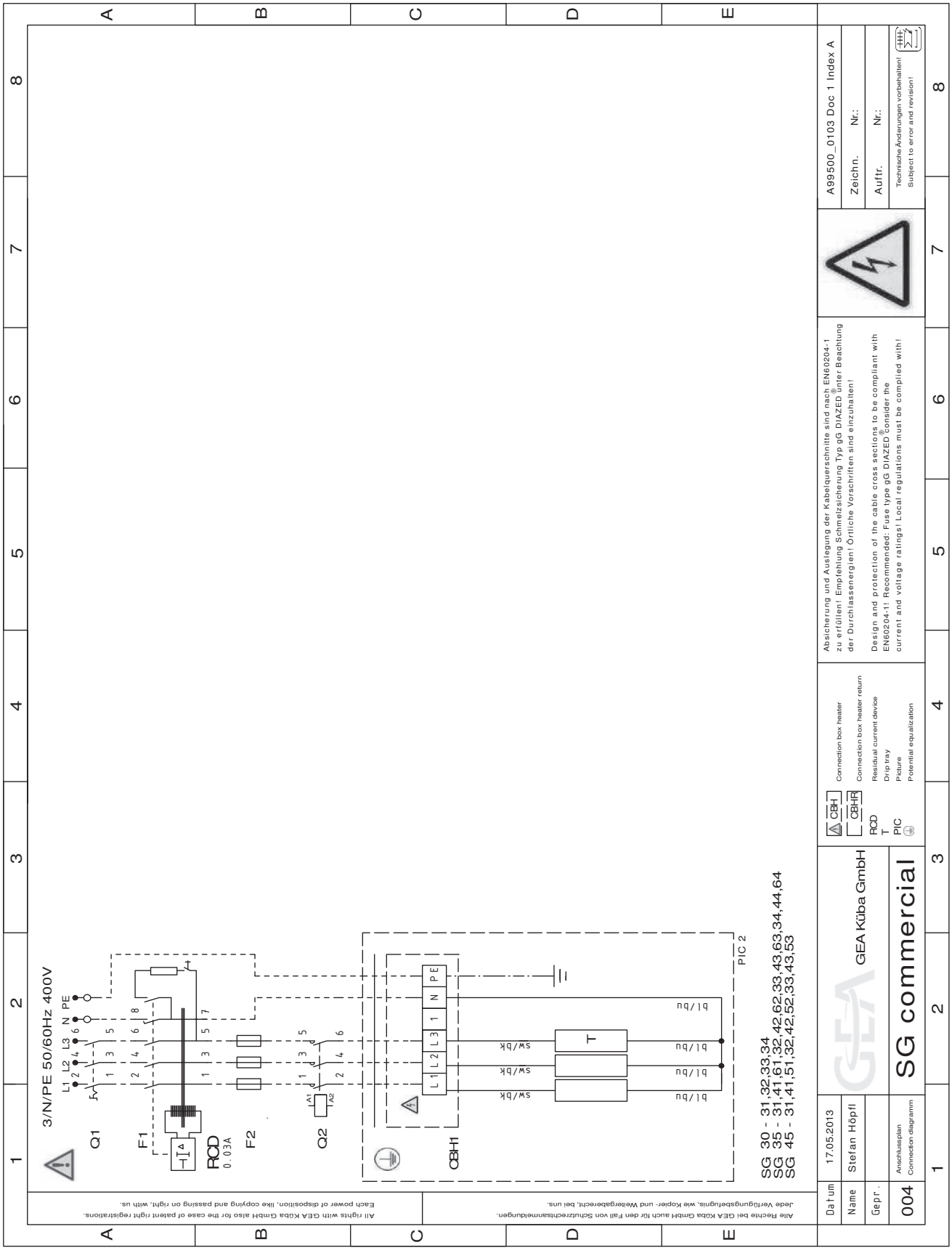
Electrical defrost wiring diagram

PIC 1



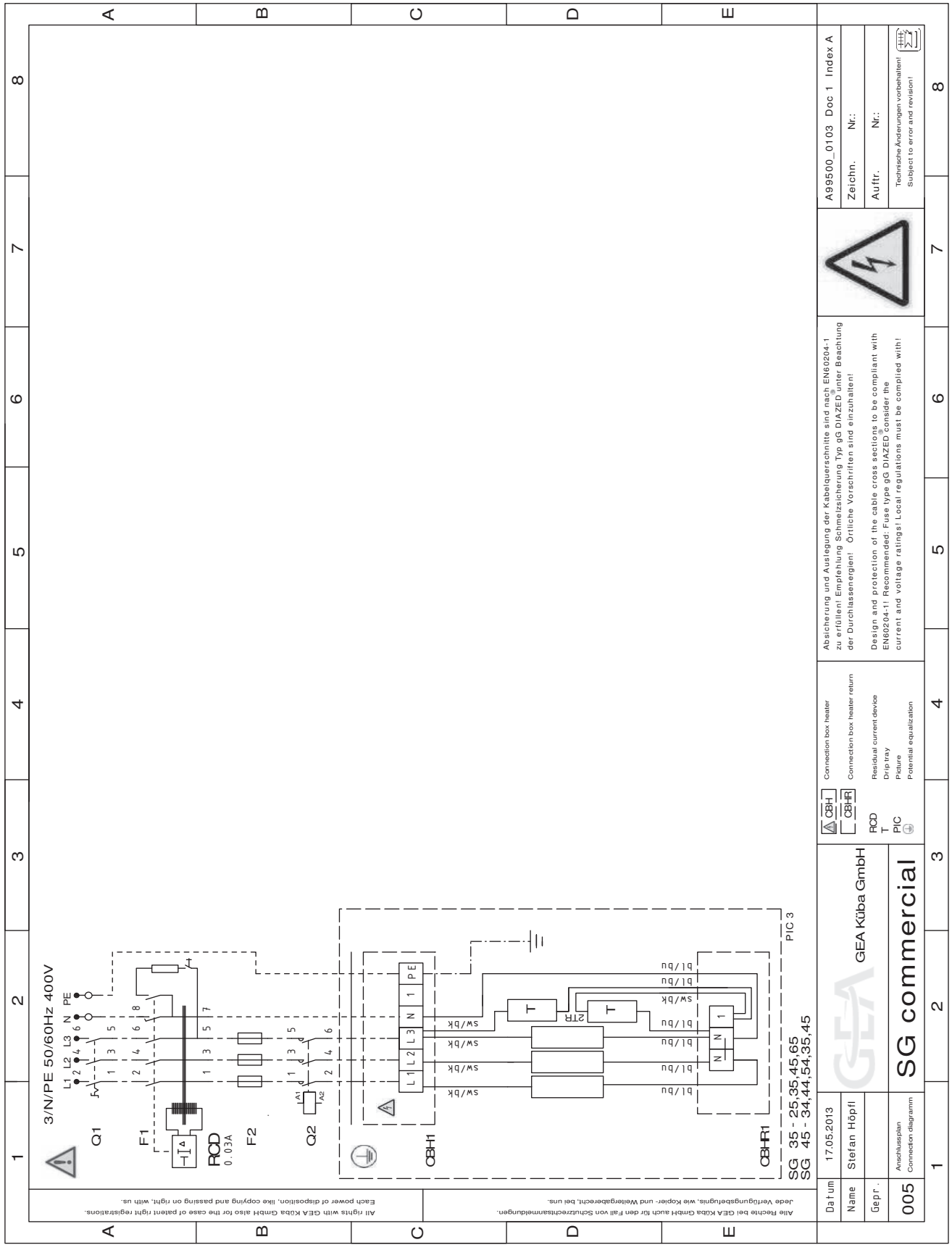
Electrical defrost wiring diagram

PIC 2



Electrical defrost wiring diagram

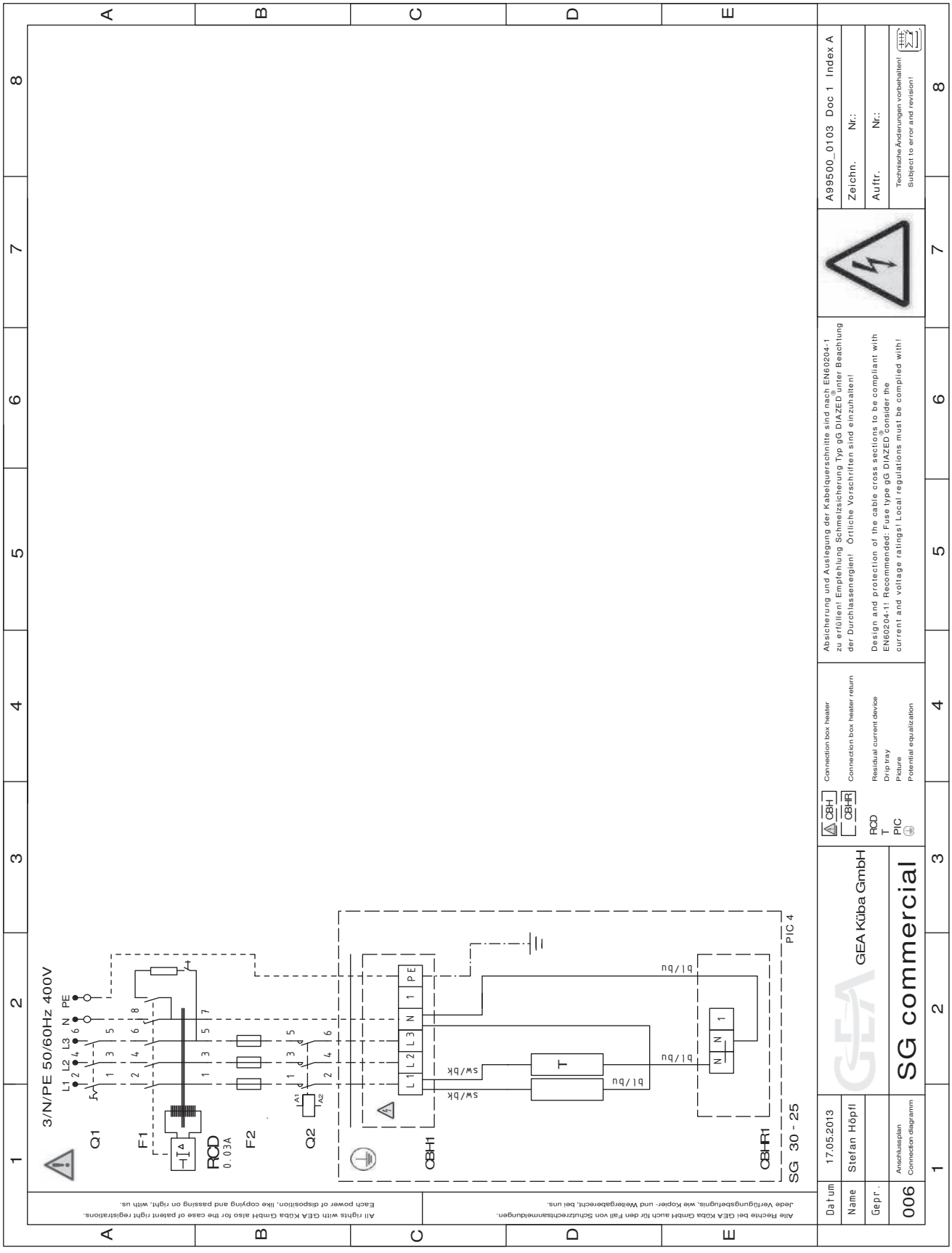
PIC 3



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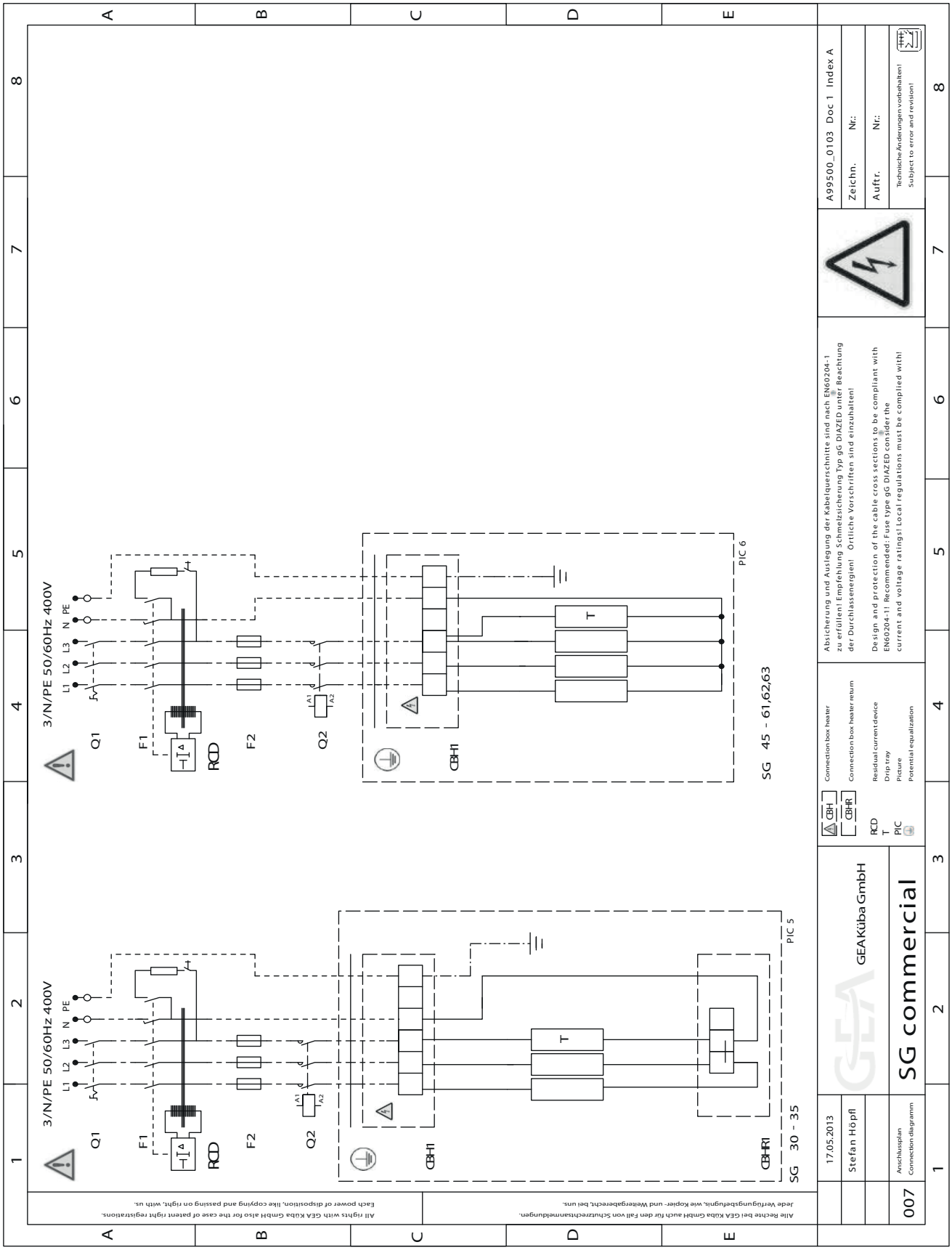
Electrical defrost wiring diagram

PIC 4



Electrical defrost wiring diagram

PIC 5 & 6



Cabling

SG *commercial*

Standard/Series **Wiring diagram number: A99500_0103** (Doc 2; Index 0)																	
Type		Coil heating bar (KÖ)				Drip tray heating bar (D)									L1		
SGAE SGBE SGLE	Finned length	Number	Length	Capacity P	Form	Number	Length	Capacity P	Form	Total capacity of all heating circuits	Total number of all heating circuits	Heating circuit no.	**PIC** **on the wiring diagram**	No. of heating element, coil KÖ	No. of heating element, drip tray D	No. of heating element, drip tray D (R)	
Type	L [mm]	KÖ [pcs]	L [mm]	P [W]		TW [pcs]	L [mm]	P [W]		P [kW]	[pcs]	[Nb]		[pcs]	[pcs]	[pcs]	
SGAE SGBE SGLE	Finned length																
23-21	450	1	1350	480	U100	1	1200	420	U100	0.9	1	CBH1	1	1	D 1		
23-31	450	1	1350	480	U100	1	1200	420	U100	0.9	1	CBH1	1	1	1 D		
23-22	900	1	2250	860	U100	1	2100	765	U100	1.6	1	CBH1	1	1	1 D		
23-32	900	1	2250	860	U100	1	2100	765	U100	1.6	1	CBH1	1	1	1 D		
23-23	1350	1	3100	1145	U100	1	3100	1145	U100	2.3	1	CBH1	1	1	1 D		
23-33	1350	1	3100	1145	U100	1	3100	1145	U100	2.3	1	CBH1	1	1	1 D		
23-24	1800	1	4000	1490	U100	1	4000	1490	U100	3.0	1	CBH1	1	1	1 D		
23-34	1800	1	4000	1490	U100	1	4000	1490	U100	3.0	1	CBH1	1	1	1 D		
23-25	2250	1	5000	1875	U100	1	4800	1800	U100	3.7	1	CBH1	1	1	1 D		
23-35	2250	1	5000	1875	U100	1	4800	1800	U100	3.7	1	CBH1	1	1	1 D		

	CBH connection box Heater Heating circuit												CBHR connection box Heater return Heating circuit return			
L2			L3													
No. of heating element, coil KÖ	No. of heating element, drip tray D	No. of heating element, drip tray D (R)	No. of heating element, coil KÖ	No. of heating element, drip tray D	No. of heating element, drip tray D (R)	Total capacity of heating circuit P	Current L1	Current L2	Current L3	Recom-mended cable cross-section for supply line (building-side)	SKS	Junction box conn. box with earthing cable	Heating circuit no.	Junction box connection box	Minimum cable cross-section for return	Cable length for parts list
[pcs]	[pcs]	[pcs]	[pcs]	[pcs]	[pcs]	P [kW]	I [A]	I [A]	I [A]	min [mm²]	[Size]	CBH	[Nb]	CBHR	min [mm²]	[m]
						0.9	3.9	0.0	0.0	2.50	4	ABO025				
						0.9	3.9	0.0	0.0	2.50	4	ABO025				
						1.6	7.1	0.0	0.0	2.50	4	ABO025				
						1.6	7.1	0.0	0.0	2.50	4	ABO025				
						2.3	10.0	0.0	0.0	2.50	3	ABO025				
						2.3	10.0	0.0	0.0	2.50	3	ABO025				
						3.0	13.0	0.0	0.0	2.50	3	ABO025				
						3.0	13.0	0.0	0.0	2.50	3	ABO025				
						3.7	16.0	0.0	0.0	2.50	4	ABO025				
						3.7	16.0	0.0	0.0	2.50	4	ABO025				

Cabling

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Standard/Series **Wiring diagram number: A99500_0103** (Doc 2; Index 0)																	
Type		Coil heating bar (KÖ)				Drip tray heating bar (D)									**L1**		
SGAE SGBE SGLE	Finned length	Number	Length	Capacity P	Form	Number	Length	Capacity P	Form	Total capacity of all heating circuits	Total number of all heating circuits	Heating circuit no.	**PIC** **on the wiring diagram**	No. of heating element, coil KÖ	No. of heating element, drip tray D	No. of heating element, drip tray D (R)
Type	L [mm]	KÖ [pcs]	L [mm]	P [W]		TW [pcs]	L [mm]	P [W]		P [kW]	[pcs]	[Nb]		[pcs]	[pcs]	[pcs]
SGAE SGBE SGLE	Finned length															
30-21	590	1	1700	615	U150	1	1700	615	U100	1.2	1	CBH1	1	1	1 D	
30-31	590	2	1700	615	U150	1	1700	615	U100	1.8	1	CBH1	2	1		
30-22	1180	1	2800	1035	U150	1	2800	1035	U100	2.1	1	CBH1	1	1	1 D	
30-32	1180	2	2800	1035	U150	1	2800	1035	U100	3.1	1	CBH1	2	1		
30-23	1770	1	4000	1490	U150	1	4000	1490	U100	3.0	1	CBH1	1	1	1 D	
30-33	1770	2	4000	1490	U150	1	4000	1490	U100	4.5	1	CBH1	2	1		
30-24	2360	1	5200	1950	U150	1	5200	1950	U100	3.9	1	CBH1	1	1	1 D	
30-34	2360	2	5200	1950	U150	1	5200	1950	U100	5.9	1	CBH1	2	1		
30-25	2950	1	6400	2300	U150	1	3250	1210	L100	3.5	1	CBH1	4	1	1 D	
30-35	2950	2	6400	2300	U150	1	3250	1210	L100	5.8	1	CBH1	5	1		

	CBH connection box Heater Heating circuit												CBHR connection box Heater return Heating circuit return			
L2			L3													
No. of heating element, coil KÖ	No. of heating element, drip tray D	No. of heating element, drip tray D (R)	No. of heating element, coil KÖ	No. of heating element, drip tray D	No. of heating element, drip tray D (R)	Total capacity of heating circuit P	Current L1	Current L2	Current L3	Recom-mended cable cross-section for supply line (building-side)	SKS	Junction box conn. box with earthing cable	Heating circuit no.	Junction box connection box	Minimum cable cross-section for return	Cable length for parts list
[pcs]	[pcs]	[pcs]	[pcs]	[pcs]	[pcs]	P [kW]	I [A]	I [A]	I [A]	min [mm²]	[Size]	CBH	[Nb]	CBHR	min [mm²]	[m]
						1.2	5.3	0.0	0.0	2.50	3	ABO025				
1				1 D		1.8	2.7	2.7	2.7	2.50	3	ABO025				
						2.1	9.0	0.0	0.0	2.50	3	ABO025				
1				1 D		3.1	4.5	4.5	4.5	2.50	3	ABO025				
						3.0	13.0	0.0	0.0	2.50	3	ABO025				
1				1 D		4.5	6.5	6.5	6.5	2.50	3	ABO025				
						3.9	17.0	0.0	0.0	2.50	3	ABO025				
1				1 D		5.9	8.5	8.5	8.5	2.50	3	ABO025				
						3.5	15.3	0.0	0.0	2.50	3	ABO025	CBHR1	ABO025	2.5	4.10
1				1 D		5.8	10.0	10.0	5.3	2.50	3	ABO025	CBHR1	ABO025	2.5	4.10

SG *commercial*

Standard/Series

Wiring diagram number: A99500_0103 (Doc 2; Index 0)

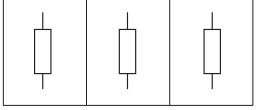
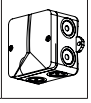
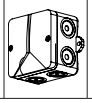
Type		Coil heating bar (KÖ)				Drip tray heating bar (D)								**L1**		
SGAE SGBE SGLE	Finned length	Number	Length	Capacity P	Form	Number	Length	Capacity P	Form	Total capacity of all heating circuits	Total number of all heating circuits	Heating circuit no.	**PIC on the wiring diagram**	No. of heating element, coil KÖ	No. of heating element, drip tray D	No. of heating element, drip tray D (R)
Type	L [mm]	KÖ [pcs]	L [mm]	P [W]		TW [pcs]	L [mm]	P [W]		P [kW]	[pcs]	[Nb]		[pcs]	[pcs]	[pcs]
SGAE SGBE SGLE	Finned length															
35-21	700	1	1900	690	U200	1	2100	765	U150	1.5	1	CBH1	1	1	1 D	
35-31	700	2	1900	690	U150	1	2100	765	U150	2.1	1	CBH1	2	1		
35-41	700	3	1900	690	U100	1	2100	765	U150	2.8	1	CBH1	2	1		
35-61	700	4	1900	690	U150	1	2100	765	U150	3.5	1	CBH1	2	2		
35-22	1400	1	3500	1300	U200	1	3500	1300	U150	2.6	1	CBH1	1	1	1 D	
35-32	1400	2	3500	1300	U200	1	3500	1300	U150	3.9	1	CBH1	2	1		
35-42	1400	3	3250	1210	U100	1	3500	1300	U150	4.9	1	CBH1	2	1		
35-62	1400	4	3250	1210	U150	1	3500	1300	U150	6.1	1	CBH1	2	2		
35-23	2100	1	4800	1800	U200	1	4800	1800	U150	3.6	1	CBH1	1	1	1 D	
35-33	2100	2	4800	1800	U200	1	4800	1800	U150	5.4	1	CBH1	2	1		
35-43	2100	3	4600	1720	U100	1	4800	1800	U150	7.0	1	CBH1	2	1		
35-63	2100	4	4800	1800	U150	1	4800	1800	U150	9.0	1	CBH1	2	2		
35-24	2800	1	6200	2250	U200	1	6200	2250	U150	4.5	1	CBH1	1	1	1 D	
35-34	2800	2	6200	2250	U200	1	6200	2250	U150	6.8	1	CBH1	2	1		
35-44	2800	3	6000	2178	U100	1	6200	2250	U150	8.8	1	CBH1	2	1		
35-64	2800	4	6200	2250	U150	1	6200	2250	U150	11.3	1	CBH1	2	2		
35-25	3500	3	3850	1435	Z95/80	2	3850	1435	L100	5.0	1	CBH1	3	1		
35-35	3500	4	3850	1435	Z95/80	2	3850	1435	L100	6.5	1	CBH1	3	1		
35-45	3500	6	3850	1435	Z95/80	2	3850	1435	L100	9.3	1	CBH1	3	2		
35-65	3500	8	3850	1435	Z95/80	2	3850	1435	L100	12.2	1	CBH1	3	3		

	CBH connection box Heater Heating circuit												CBHR connection box Heater return Heating circuit return			
L2			L3													
No. of heating element, coil KÖ	No. of heating element, drip tray D	No. of heating element, drip tray D (R)	No. of heating element, coil KÖ	No. of heating element, drip tray D	No. of heating element, drip tray D (R)	Total capacity of heating circuit P	Current L1	Current L2	Current L3	Recom-mended cable cross-section for supply line (building-side)	SKS	Junction box conn. box with earthing cable	Heating circuit no.	Junction box connection box	Minimum cable cross-section for return	Cable length for parts list
[pcs]	[pcs]	[pcs]	[pcs]	[pcs]	[pcs]	P [kW]	I [A]	I [A]	I [A]	min [mm²]	[Size]	CBH	[Nb]	CBHR	min [mm²]	[m]
						1.5	6.3	0.0	0.0	2.50	3	ABO025				
1				1 D		2.1	3.0	3.0	3.3	2.50	3	ABO025				
2				1 D		2.8	3.0	6.0	3.3	2.50	3	ABO025				
2				1 D		3.5	6.0	6.0	3.3	2.50	3	WK 060				
						2.6	11.3	0.0	0.0	2.50	4	ABO025				
1				1 D		3.9	5.7	5.7	5.7	2.50	4	ABO025				
2				1 D		4.9	5.3	10.5	5.7	2.50	3	ABO025				
2				1 D		6.1	10.5	10.5	5.7	2.50	3	WK 060				
						3.6	15.7	0.0	0.0	2.50	3	ABO025				
1				1 D		5.4	7.8	7.8	7.8	2.50	3	ABO025				
2				1 D		7.0	7.5	15.0	7.8	2.50	3	ABO025				
2				1 D		9.0	15.7	15.7	7.8	2.50	3	WK 060				
						4.5	19.6	0.0	0.0	2.50	3	ABO025				
1				1 D		6.8	9.8	9.8	9.8	2.50	3	ABO025				
2				1 D		8.8	9.5	18.9	9.8	2.50	3	ABO025				
2				1 D		11.3	19.6	19.6	9.8	2.50	3	WK 060				
1			1		2 D(R)	5.0	6.2	6.2	9.4	2.50	3	ABO025	CBHR1	ABO025	2.5	4.65
2			1		2 D(R)	6.5	6.2	12.5	9.4	2.50	3	ABO025	CBHR1	ABO025	2.5	4.65
2			2		2 D(R)	9.3	12.5	12.5	15.6	2.50	3	WK 060	CBHR1	WK 060	2.5	4.65
3			2		2 D(R)	12.2	18.7	18.7	15.6	2.50	3	WK 100	CBHR1	WK 100	2.5	4.65

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Standard/Series **Wiring diagram number: A99500_0103** (Doc 2; Index 0)															
Type		Coil heating bar (KÖ)				Drip tray heating bar (D)								**L1**	
SGAE SGBE SGLE	Finned length	Number	Length	Capacity P	Form	Number	Length	Capacity P	Form	Total capacity of all heating circuits	Total number of all heating circuits	Heating circuit no.	**PIC** **on the wiring diagram**	No. of heating element, coil KÖ	No. of heating element, drip tray D	No. of heating element, drip tray D (R)
Type	L [mm]	KÖ [pcs]	L [mm]	P [W]		TW [pcs]	L [mm]	P [W]		P [kW]	[pcs]	[Nb]		[pcs]	[pcs]	[pcs]
SGAE SGBE SGLE	Finned length															
45-31	900	3	2250	860	U100	1	2500	920	U200	3.5	1	CBH1	2	1		
45-41	900	3	2250	860	U100	1	2500	920	U200	3.5	1	CBH1	2	1		
45-51	900	4	2250	860	U100	1	2500	920	U200	4.4	1	CBH1	2	2		
45-61	900	5	2400	880	U200	1	2500	920	U200	5.3	1	CBH1	6	2		
45-32	1800	3	4000	1490	U100	1	4250	1590	U200	6.1	1	CBH1	2	1		
45-42	1800	3	4000	1490	U100	1	4250	1590	U200	6.1	1	CBH1	2	1		
45-52	1800	4	4000	1490	U100	1	4250	1590	U200	7.6	1	CBH1	2	2		
45-62	1800	5	4250	1590	U200	1	4250	1590	U200	9.5	1	CBH1	6	2		
45-33	2700	3	6000	2178	U150	1	6000	2178	U200	8.7	1	CBH1	2	1		
45-43	2700	3	5820	2165	U100	1	6000	2178	U200	8.7	1	CBH1	2	1		
45-53	2700	4	5820	2165	U100	1	6000	2178	U200	10.8	1	CBH1	2	2		
45-63	2700	5	6000	2178	U200	1	6000	2178	U200	13.1	1	CBH1	6	2		
45-34	3600	5	3850	1435	L100	2	3850	1435	L100	7.9	1	CBH1	3	2		
45-44	3600	7	3850	1435	L100	2	3850	1435	L100	10.8	1	CBH1	3	3		
45-54	3600	8	3850	1435	L100	2	3850	1435	L100	12.2	1	CBH1	3	3		
45-35	4500	5	4800	1800	L100	2	4800	1800	L100	9.9	1	CBH1	3	2		
45-45	4500	7	4800	1800	L100	2	4800	1800	L100	13.5	1	CBH1	3	3		

	CBH connection box Heater Heating circuit												CBHR connection box Heater return Heating circuit return			
L2			L3													
No. of heating element, coil KÖ	No. of heating element, drip tray D	No. of heating element, drip tray D (R)	No. of heating element, coil KÖ	No. of heating element, drip tray D	No. of heating element, drip tray D (R)	Total capacity of heating circuit P	Current L1	Current L2	Current L3	Recom-mended cable cross-section for supply line (building-side)	SKS	Junction box conn. box with earthing cable	Heating circuit no.	Junction box connection box	Minimum cable cross-section for return	Cable length for parts list
[pcs]	[pcs]	[pcs]	[pcs]	[pcs]	[pcs]	P [kW]	I [A]	I [A]	I [A]	min [mm²]	[Size]	CBH	[Nb]	CBHR	min [mm²]	[m]
																
2				1 D		3.5	3.7	7.5	4.0	2.50	3	ABO025				
2				1 D		3.5	3.7	7.5	4.0	2.50	3	ABO025				
2				1 D		4.4	7.5	7.5	4.0	2.50	3	WK 060				
2			1	1 D		5.3	7.7	7.7	7.8	2.50	3	WK 060				
2				1 D		6.1	6.5	13.0	6.9	2.50	3	ABO025				
2				1 D		6.1	6.5	13.0	6.9	2.50	2	ABO025				
2				1 D		7.6	13.0	13.0	6.9	2.50	3	WK 060				
2			1	1 D		9.5	13.8	13.8	13.8	2.50	3	WK 060				
2				1 D		8.7	9.5	18.9	9.5	2.50	3	ABO025				
2				1 D		8.7	9.4	18.8	9.5	2.50	3	ABO025				
2				1 D		10.8	18.8	18.8	9.5	2.50	3	WK 060				
2			1	1 D		13.1	18.9	18.9	18.9	2.50	3	WK 060				
2			1		2 D(R)	7.9	12.5	12.5	9.4	2.50	3	WK 060	CBHR1	WK 060	2.5	4.75
2			2		2 D(R)	10.8	18.7	12.5	15.6	2.50	3	WK 100	CBHR1	WK 060	2.5	4.75
3			2		2 D(R)	12.2	18.7	18.7	15.6	2.50	3	WK 100	CBHR1	WK 060	2.5	4.75
2			1		2 D(R)	9.9	15.7	15.7	11.7	2.50	2	WK 060	CBHR1	WK 060	2.5	5.65
2			2		2 D(R)	13.5	23.5	15.7	19.6	2.50	2	WK 100	CBHR1	WK 100	2.5	5.65

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